



United States Environmental Protection Agency
Washington, D.C. 20460
Water Compliance Inspection Report

Form Approved
OMB No. 2040-0057
Approval expires 8-31-98

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	vi/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5 3 P R 0 0 2 1 5 5 5 11	12 1 1 0 6 3 0 17	18 R	19 R	20 1	
Remarks					
21					
Inspection Work Days					
67 1 0 69					
Facility Self-Monitoring Evaluation Rating					
7 1 71 1 72 1 73 1 74 1 75 1 76 1 77 1 78 1 79 1 80 1					

Section B: Facility Data

Name and Location of Facility Inspected (for industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time/Date	Permit Effective Date
PRASA's Webb Street Sanitary Sewer System Barrio Obrero Subward, Santurce Ward, San Juan, Puerto Rico	06/30/11 11:00 PM	
	Exit Time/Date	Permit Expiration Date
	06/30/11 13:00 PM	
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data	
None		
Name, Address of Responsible Official/Title/Phone and Fax Number(s)	Contacted	
Gerardo González, PRASA Metro Region Director (787) 620-2277	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input type="checkbox"/> Permit	<input type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Operations & Maintenance	<input checked="" type="checkbox"/> CSO/SSO (Sewer Overflow)
<input type="checkbox"/> Records/Reports	<input type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Multimedia
<input type="checkbox"/> Effluent/Receiving Water	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Other: Pump Station

Section D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)

See attached "Supplement to the Water Compliance Inspection Report".

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Carlos R. Villafañe, PE, MEM Environmental Engineer	EPA/CEPD/MPCB (787) 977-5858	09/10/11
Alex Rivera, EIT Environmental Engineer	EPA/CEPD/MPCB (787) 977-5845	9/13/11
	Fax No.: (787) 289-7104	
Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date
Jaime Geliga, Chief	EPA/CEPD/MPCB (787) 977-5840	9/19/11

**SUPPLEMENT TO WATER COMPLIANCE INSPECTION REPORT FORM
(EPA FORM 3560-3 (REV 9-94))**

Webb Street Sanitary Sewer System

I. Background:

On June 30, 2011, EPA performed a Reconnaissance Inspection (RI) at PRASA's Webb Street Sanitary Sewer System ("SSS") located in Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico.

II. Purpose of the Inspection:

The purpose of the RI was to investigate for sanitary sewer overflows or direct sanitary discharges into the Martin Peña Channel as a result of a current referral against the San Juan Municipality and the Puerto Rico Department of Natural Resources.

III. Findings of the RI:

The findings of the RI are included below:


- 1) The Webb Street SSS is owned and operated by the Puerto Rico Aqueduct and Sewer Authority ("PRASA"). It consists of an eight-inch in diameter sanitary sewer pipeline. See attached Map (ENLACE Area – Calle Webb Sewer Line from PRASA Sewer Net 2009).
- 2) The Webb Street SSS is located south of the Rexach Avenue, Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico. See attached Photo No. 1.
- 3) The Webb Street SSS collects mainly sanitary wastewater from residences located along both sides of Webb Street.
- 4) The Webb Street SSS is comprised of an eight-inch in diameter pipeline, sanitary manholes and sanitary sewer lateral pipes.
- 5) The Webb Street SSS runs downhill on Webb Street and does not connect to any other sanitary sewer pipeline at its end near the Martin Peña Channel. The Webb Street SSS 8-inch diameter pipeline ends at a 12-inch concrete culvert, which discharges into a manmade channel (e.g., ditch), which in turns discharges into the Martin Peña Channel. See attached Photo No.2.

- 6) Wastewaters were observed flowing out of the 12-inch concrete culvert into the manmade channel (e.g., ditch) and into the Martin Peña Channel. See attached Photos No. 3, 4 and 5.
- 7) A dye test was performed at the Webb Street SSS to determine whether any discharge of sewage from the 8-inch diameter pipeline could enter into the Martin Peña Channel or any other location.
 - A) The EPA inspectors' team that participated in this dye test was Mr. Alex Rivera, Mr. Jaime Géliga and Mr. Carlos Villafañe.
 - B) At approximately 11:15 am, the EPA inspectors' team opened a manhole lid located approximately 50 meters from the observed 12 -inch concrete culvert. See attached Photo No. 6.
 - C) At approximately 11:20 am, Mr. Jaime Géliga poured approximately ½ liter of green dye into the manhole.
 - D) Approximately at 11:30 am, Mr. Alex Rivera and Mr. Carlos Villafañe, who were standing near the discharge end of the 8-inch pipe and at the 12-inch culvert, observed the dye being discharged from the 12-inch culvert and into the manmade channel. See attached Photos No. 7 and 8.
 - E) At approximately 11:40 am, the dye mixed with wastewaters entered into the Martin Peña Channel. See attached Photo No. 9.
- 8) Solids of sewage nature were observed at the manmade channel and in the Martin Peña Channel near the end of the manmade channel discharge.

IV. Conclusions:

- 1) The Webb Street SSS is an appurtenance of the Puerto Nuevo Regional Wastewater Treatment Plant ("RWWTP").
- 2) The Webb Street SSS receives sanitary flows from the Webb Street neighbors at both sides of the street.
- 3) The Webb Street SSS discharges wastewaters by gravity into the Martin Peña Channel.
- 4) It is unknown at this moment if the Webb Street SSS is connected to the PRASA's Rexach Trunk Sewer or any other sewer pipeline in the area.
- 5) PRASA discharges pollutants (e.g., wastewater) into the Martin Peña Channel by the use the Webb Street SSS.

- 6) Although PRASA's Puerto Nuevo RWWTP has a NPDES Permit No. PR21555, it does not have an NPDES permit to discharge pollutants (e.g., sewage, solids, etc.) that were observed being discharged into Martin Peña Channel.

Report Prepared by:  Dated: August 10, 2011
Eng. Carlos R. Villafañe, P.E.
Senior Environmental Engineer

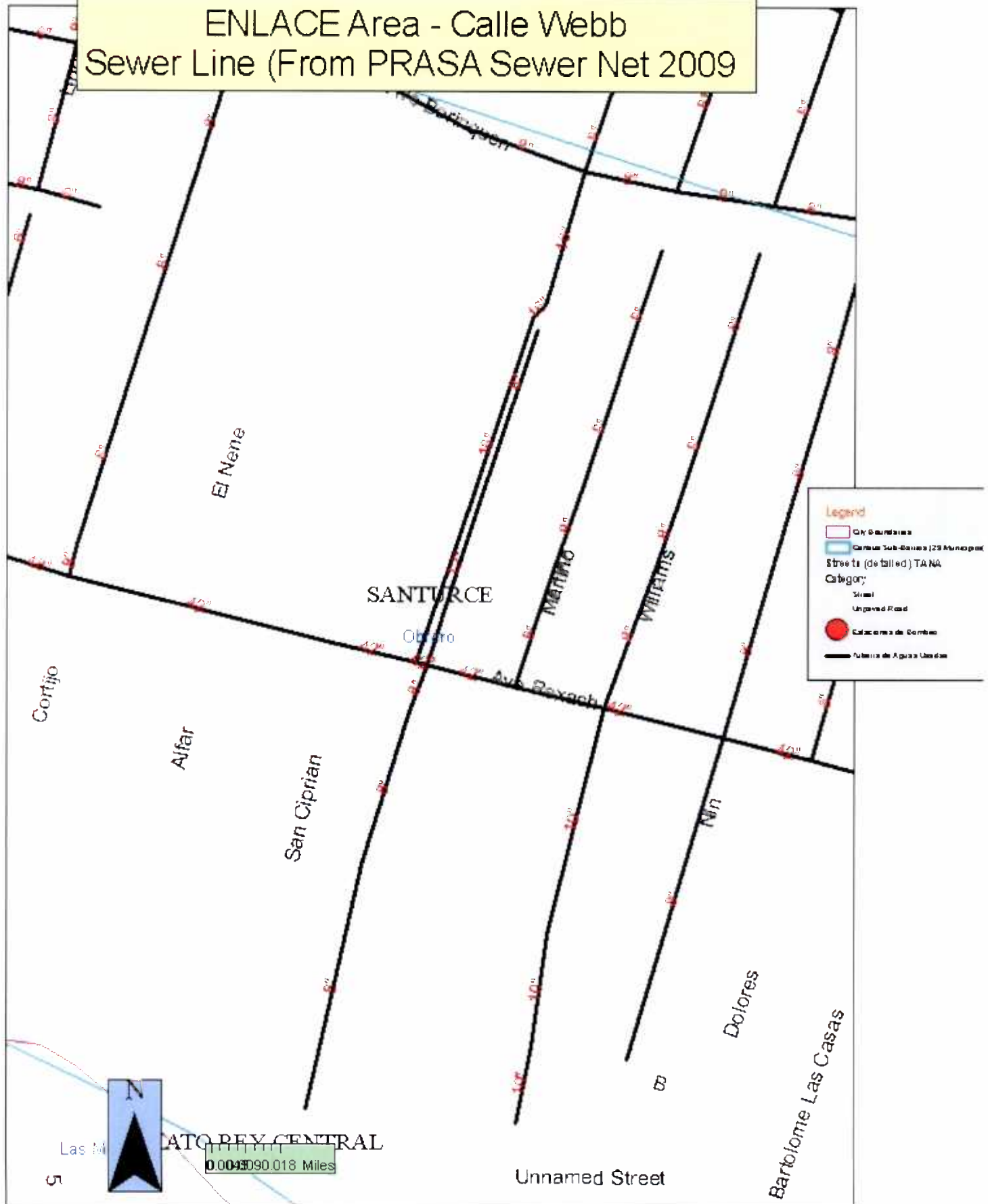
Attachment I – ENLACE Area – Calle Webb Sewer Line (From PRASA Sewer Net 2009) Map

Attachment II – Inspection Photo Documentation

ATTACHMENT I

**ENLACE Area – Calle Webb Sewer Line Map
(From PRASA Sewer Net 2009)**

ENLACE Area - Calle Webb Sewer Line (From PRASA Sewer Net 2009)



ATTACHMENT II
PHOTO-DOCUMENTATION

Photo No. 1. View of a manhole and cover of the Webb Street Sanitary Sewer System.

Webb Street Sanitary Sewer System, Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico
June 30, 2011



Photo No. 2. View of the Webb Street SSS end at a 12-inch box culvert. The 12-inch box culvert could not be observe due to the pasture. The wastewaters flow within a manmade channel and into the MPC.

Webb Street Sanitary Sewer System, Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico
June 30. 2011

Photo No. 3. View of the wastewaters flowing down in the manmade channel and into the MPC.

Webb Street Sanitary Sewer System, Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico
June 30, 2011



Photo No. 4. Another view of the wastewaters flowing down the manmade channel and into the Martin Peña Channel.

Webb Street Sanitary Sewer System, Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico
June 30, 2011



Photo No. 5. Closed view of the end of the manmade channel and Martin Peña Channel.

Webb Street Sanitary Sewer System, Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico
June 30, 2011

Photo No. 6. View of a Webb Street Sanitary Sewer System's manhole. The dye was poured at this manhole, which sewer pipelines flows down into the Martin Peña Channel.

Webb Street Sanitary Sewer System, Barrio Obrero Subward, Santurce Ward in San Juan, Puerto Rico
June 30, 2011



Photo No. 7. View of the dye starting entering into the manmade channel.

Webb Street Sanitary Sewer
System, Barrio Obrero
Subward, Santurce Ward in San
Juan, Puerto Rico
June 30, 2011



Photo No. 8. Another view of the dye entering into the manmade channel.

Webb Street Sanitary Sewer
System, Barrio Obrero
Subward, Santurce Ward in San
Juan, Puerto Rico
June 30, 2011

Photo No. 9. Another view of the dye entering into the manmade channel and flowing down into the Martin Peña Channel.

Webb Street Sanitary Sewer
System, Barrio Obrero
Subward, Santurce Ward in San
Juan, Puerto Rico
June 30, 2011

